

Panasonic®

Operating Instructions Plasma Television

Model No. **TH-42PA60A**

VIERA



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

English

Please read these instructions before operating your set and retain them for future reference.
The images shown in this manual are for illustrative purposes only.

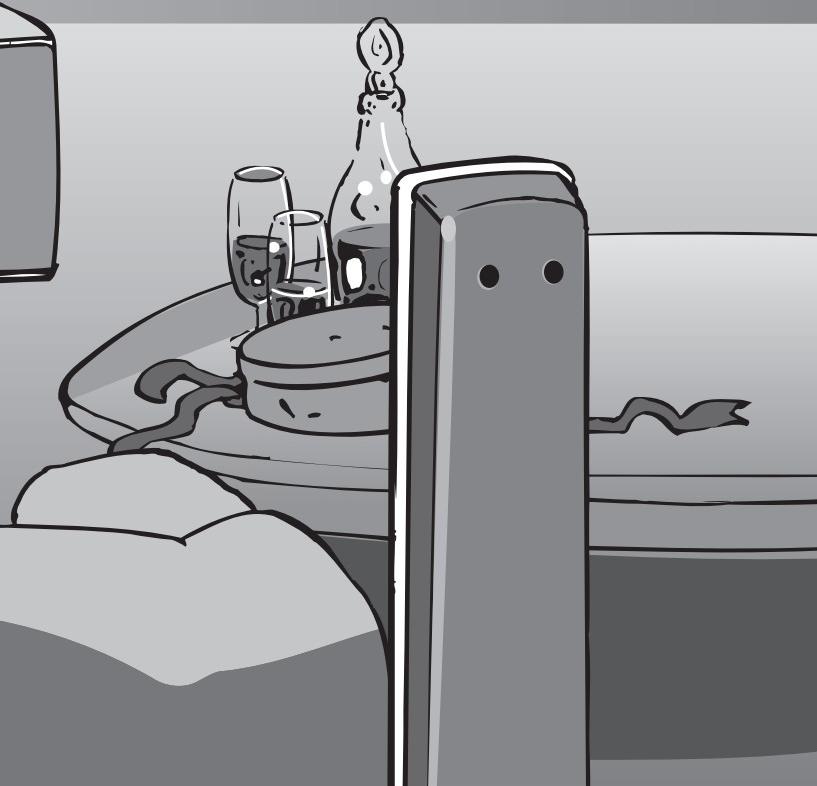
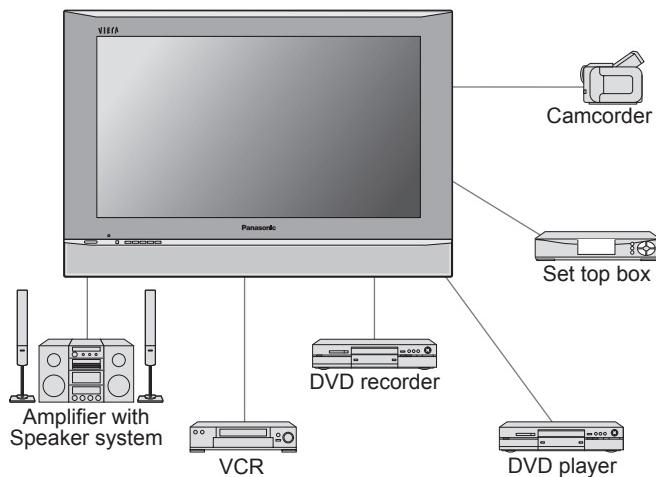
Turn your own living room into a movie theatre!

Experience an amazing level of multi-



media excitement

Enjoy rich multi-media



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Enjoy your TV!

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Preparations

Viewing

Advanced

FAQs, etc.

Safety Precautions

Warning

Handling the mains plug and lead

- Insert the mains plug fully into the socket outlet. (If the mains plug is loose, it could generate heat and cause fire.)
- Ensure that the mains plug is easily accessible.
- Ensure the grounding pin on the mains plug is securely connected to prevent electrical shock.
- Do not touch the mains plug with a wet hand. (This may cause electrical shock.)
- Do not damage the mains lead. (A damaged lead may cause fire or electrical shock.)
 - Do not move the TV with the lead plugged in the socket outlet.
 - Do not place a heavy object on the lead or place the lead near a high-temperature object.
 - Do not twist the lead, bend it excessively, or stretch it.
 - Do not pull on the lead. Hold onto the mains plug body when disconnecting lead.
 - Do not use a damaged mains plug or socket outlet.



Do not remove covers NEVER modify the unit yourself

(High-voltage components may cause serious electrical shock.)

- Have the unit checked, adjusted, or repaired at your local Panasonic dealer.

Do not place foreign objects inside the unit

- Do not let metal or flammable objects drop into the unit through the air vents (fire or electrical shock may result).

Do not expose to direct sunlight and other sources of heat

- Avoid exposing the TV set to direct sunlight and other sources of heat. To prevent fire never place any type of candle or naked flame on top or near the TV set.

Keep liquids away from the TV

- To prevent damage which may result in fire or shock hazard, do not expose this appliance to dripping or splashing.
- Do not place containers with water (flower vase, cups, cosmetics, etc.) above the set. (including on shelves above, etc.)

■ Do not place the TV on an unstable surface

■ Use only the dedicated stands / mounting equipment

- Using an unauthorized stand or other fixtures may make the unit shaky, risking injury. Be sure to ask your local Panasonic dealer to perform setup.
- Use optional stands / mounts (p. 6).

Notes

Caution

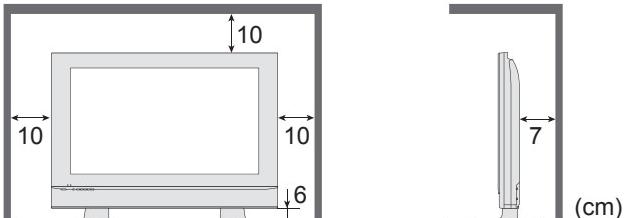
■When cleaning the TV unit, remove the mains plug

(Cleaning an energized unit may cause electrical shock.)

■When TV will not be used for a long time, remove the mains plug

● This TV will still consume some power even in the Off mode, as long as the mains plug is still connected to a live socket outlet.

■Allow sufficient space around the unit for radiated heat



■Do not block the rear air vents

● Blocked ventilation by curtains, etc. may cause overheating, fire or electrical shock.



Remember not to keep still pictures on the screen for extended lengths of time

Such still pictures cause after-images on the plasma screen if they are displayed for a long time. These after-images are not considered malfunctions and are not covered by the warranty.

Typical still images

- Channel number and unique logos
- Image displayed in 4:3 mode
- Video game
- Computer image



To decrease the chance of after-images, a screen saver will be automatically activated after a few minutes if there is no signal and if there is no operation in AV mode. (p. 28) The screen saver will be automatically deactivated when a signal is detected or an operation is executed.

■Keep the unit away from these equipment

- Electronic equipment

In particular, do not place video equipment near the unit (electromagnetic interference may distort images / sound).

- Equipment with an infrared sensor

This TV also emits infrared rays (this may affect operation of other equipment).

Maintenance

First, remove the mains plug from the socket outlet.

Display panel

Regular care: Gently wipe the surface clean of dirt by using a soft cloth.

Major contamination: Wipe the surface clean using a soft cloth dampened with clean water or water containing a small amount of neutral detergent. Then, using a soft dry cloth, evenly wipe the surface clean until it is dry.

Caution

- The surface of the display panel has been specially treated and may be easily damaged.
Do not tap or scratch the surface with your fingernail or other hard object.
- Use care not to subject the surface to bug repellent, solvent, thinner, or other volatile substances
(this may degrade surface quality).

Cabinet

Regular care: Wipe the surface clean using a soft dry cloth.

Major contamination: Dampen a soft cloth with clean water or water containing a small amount of neutral detergent. Then, wring the cloth and wipe the surface clean with it. Finally, wipe the surface clean with a dry cloth.

Caution

- Use care not to subject the TV unit's surfaces to detergent.
(A liquid inside the TV unit could lead to product failure.)
- Use care not to subject surfaces to bug repellent, solvent, thinner, or other volatile substances
(this may deteriorate the surface by peeling the paint).
- Do not allow the cabinet to make contact with a rubber or PVC substance for a long time.

Mains plug

Wipe the mains plug with a dry cloth at regular intervals. (Moisture and dust may lead to fire or electrical shock.)

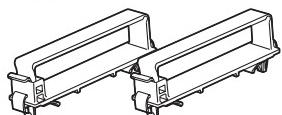
Accessories / Options

Standard accessories

- Remote Control Transmitter
● N2QAJB000121



- Clamper (2)



Check that you have the accessories and items shown

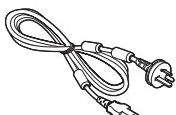
- Batteries for the Remote Control Transmitter (2)
● R6 (AA)



- Operating Instructions

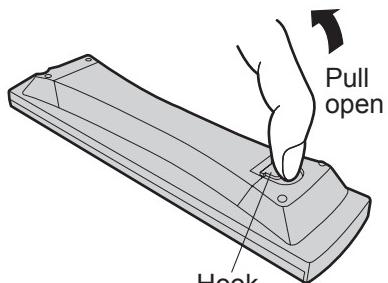
- Guarantee

- Mains Lead

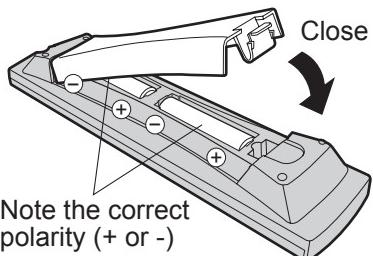


Installing remote's batteries

1



2

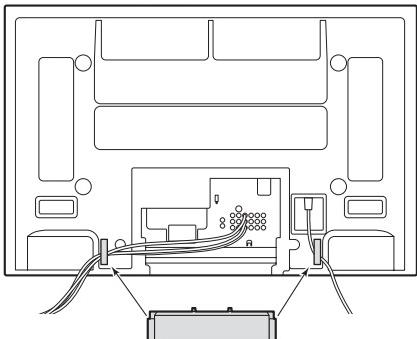


Caution

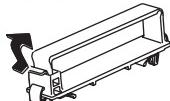
- Incorrect installation may cause battery leakage and corrosion, resulting in damage to the remote control unit.
- Do not mix old and new batteries.
- Do not mix different battery types (such as alkaline and manganese batteries).
- Do not use rechargeable (Ni-Cd) batteries.
- Do not burn or breakup batteries.

Attaching the cable clamps

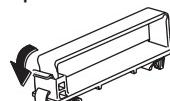
Rear of the TV



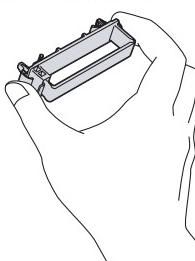
Snap open



Snap shut



Remove from the TV unit



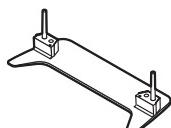
Push both side hooks and pull out

- Do not bundle the RF cable and mains lead together (could cause distorted image).
- Fix cables with clamps as necessary.
- When using the optional accessory, follow the option's assembly manual to fix cables.

Optional accessories

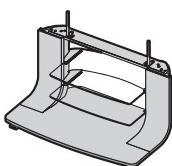
Pedestal

- TY-ST42PX5W



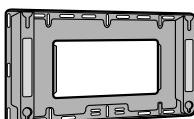
Plasma TV stand

- TY-S42PA60W



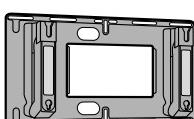
Wall-hanging bracket (vertical)

- TY-WK42PV3W

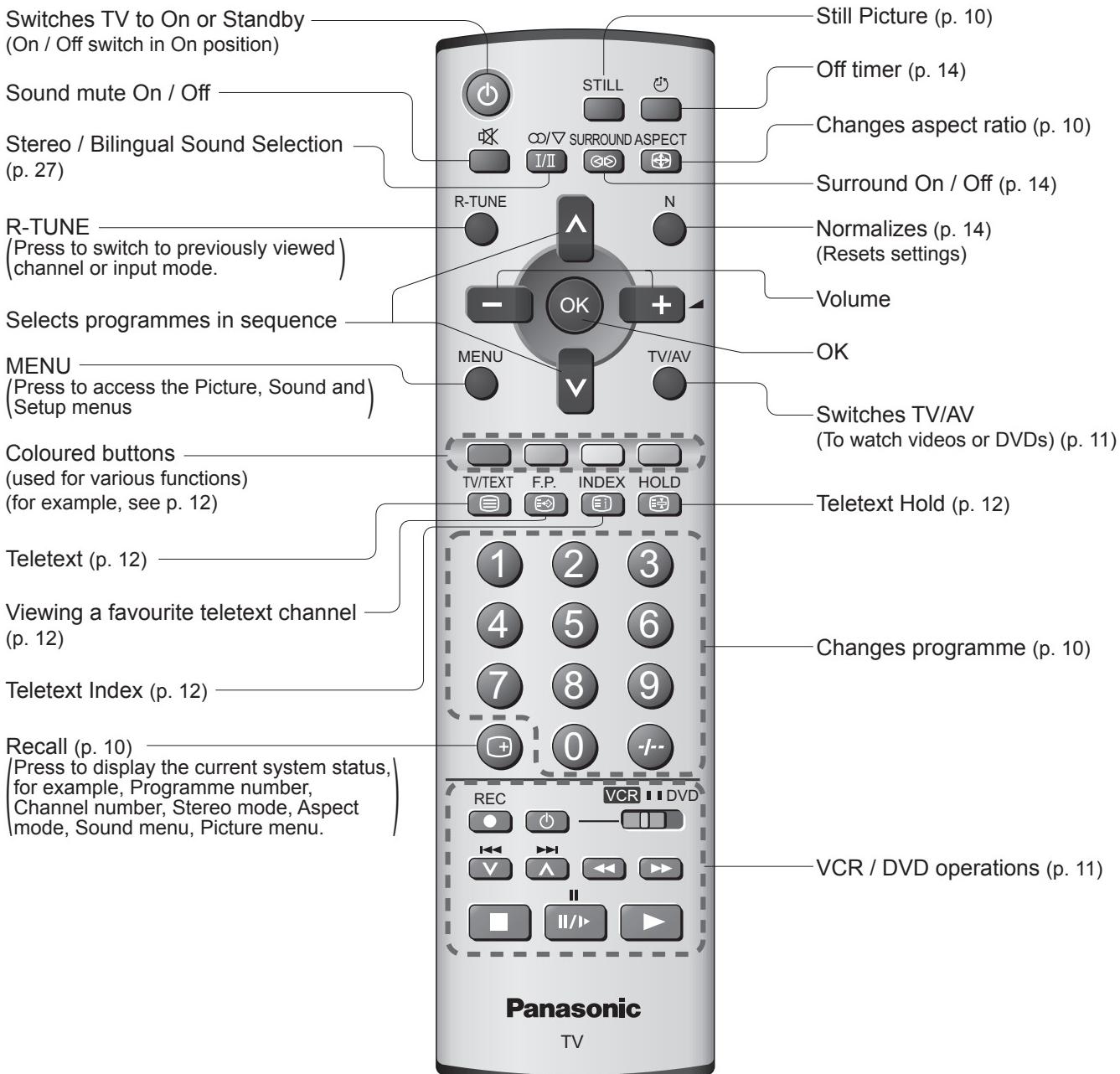
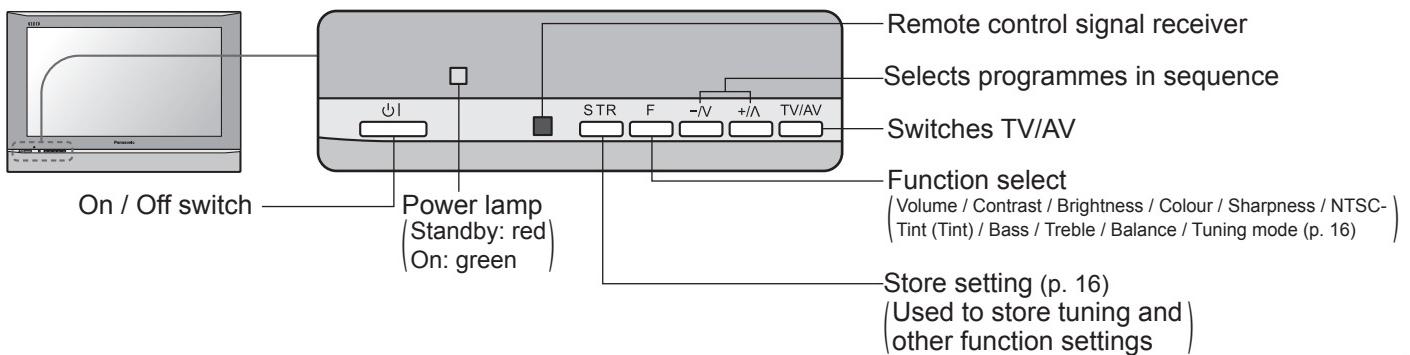


(angle)

- TY-WK42PR2W



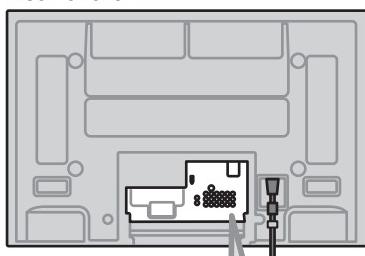
Identifying Controls



Connection

External equipments and cables shown in this manual are not supplied with this TV.
Please ensure that the unit is disconnected from the mains before attaching or disconnecting any leads.

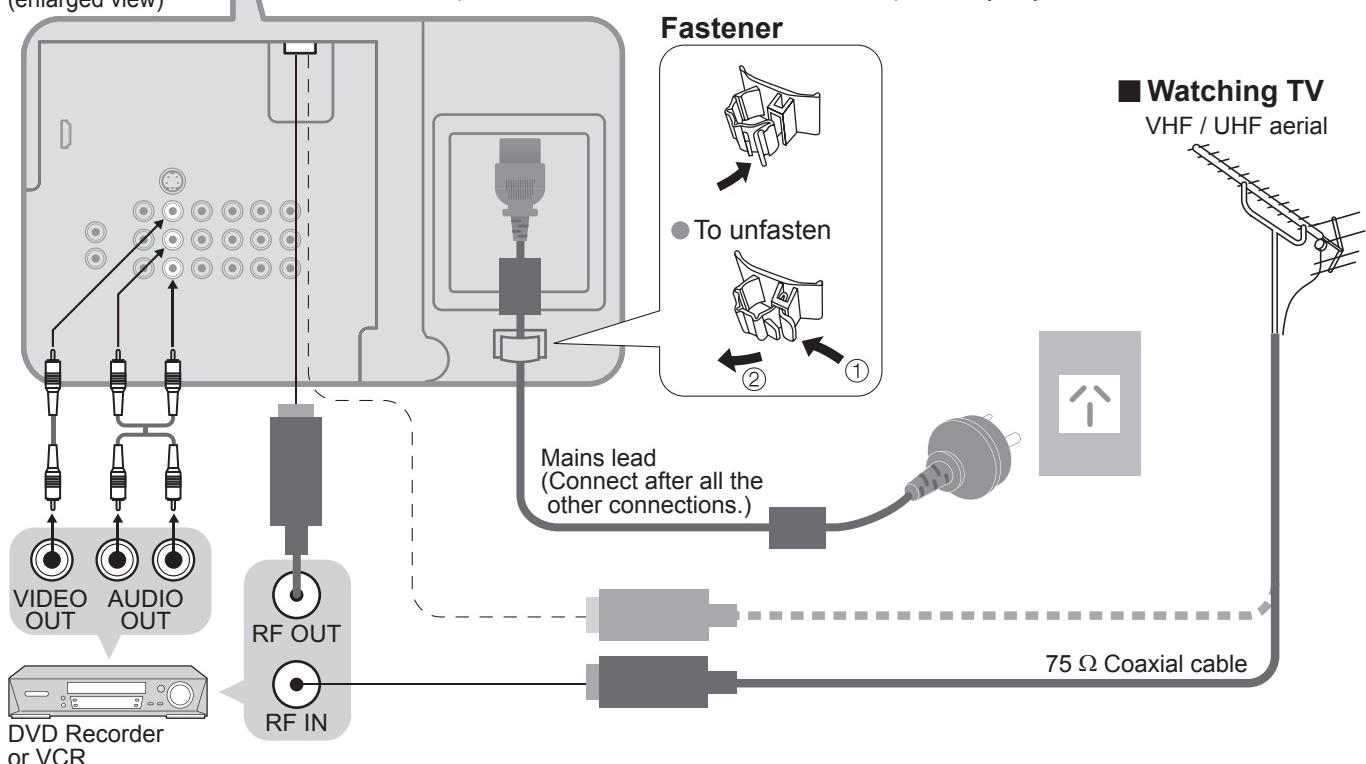
Rear of the TV



Rear terminal portion
(enlarged view)

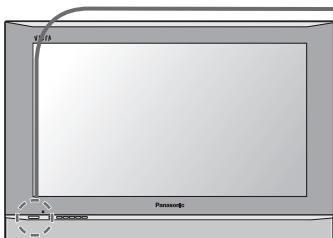
Note

- Do not put the Coaxial cable close to the mains lead to avoid noise.
- Do not place the Coaxial cable under the TV.
- To obtain optimum quality picture and sound, an Aerial, the correct cable (75Ω coaxial) and the correct terminating plug are required.
- If a communal Aerial system is used, you may require the correct connection cable and plug between the wall Aerial socket and the TV.
- Your local Television Service Centre or dealer may be able to assist you in obtaining the correct Aerial system for your particular area and the accessories required.
- Any matters regarding Aerial installation, upgrading of existing systems or accessories required, and the costs incurred, are the responsibility of you, the Customer.



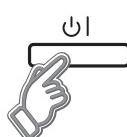
Initial Setup

These steps are not necessary if the setup has been completed by your local dealer.



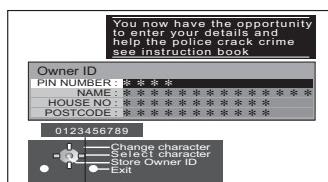
1

Turn the TV On with the On / Off switch



2

Input owner ID



Usable characters
and numerals

To input owner ID later



- If you input the ID later
→ "Owner ID" (p. 18)

- From now on you can use the remote control to turn On the unit or turn the unit to standby mode.

Following the on-screen operation guide, enter your PIN number and name.

- For detailed procedures
→ "Owner ID" (p. 18)
- Make a note of the PIN number in case you forget it.

This TV has been pre-tuned in the factory to the following Australian TV channel.

Programme No.	Channel No.
2	2
7	7
9	9
10	10
28	28
31	31

If your location does not receive these channels, perform "Auto Tuning" below.

Auto Tuning

Search and store TV channels automatically.



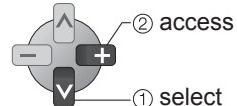
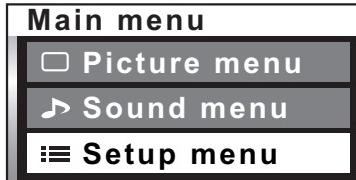
1

Display the menu



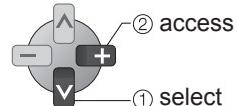
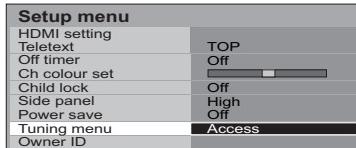
2

Select "Setup menu"



3

Select "Tuning menu"

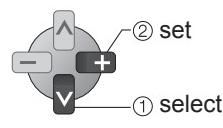
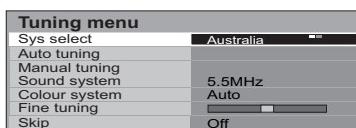


To exit



4

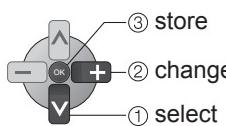
Select the function and set



① Sys select (System selection)

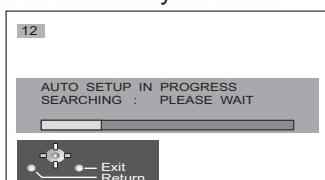
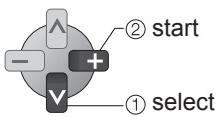
Select the system of your area.
(NZ/INDONES / Australia)

Sys select	REGION
NZ/INDONES	New Zealand, Indonesia, etc.
Australia	Australia



② Auto tuning

Automatically set the channels received in your area.



The TV will search for, locate, store and then sort into order your local stations.

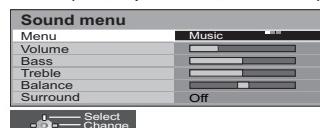
- If it is not the first time to perform Auto tuning, all previous tuning data will be erased.
- The broadcast stations in each region ➡ "Channel Allocation" (p. 24)

Note

- If the image or sound is strange after Auto tuning, edit or adjust each channel ➡ "Sound system", "Colour system", "Fine tuning" (p. 16)
- If you want to skip the channels which have no tuning data ➡ "Skip" (p. 16)

Need help with operations?

(example: Sound menu)



On-screen operation guide will help you.

Auto tuning is now complete and your TV is ready for viewing.



Once Auto tuning is completed the TV will display the programme now stored on programme position 1.

Watching TV



1

Turn power on

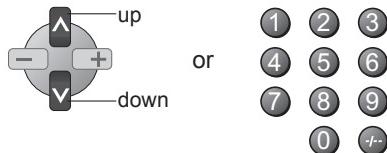


(for about 1 second)

- On / Off switch on unit should be On.

2

Select a programme number



You can select the numbers directly by pressing Programme Number button and the two digit numbers by pressing Two Digit and Programme Number buttons.

Programme Number 8 8

Programme Number 12.... ., 1, 2

■ Other Useful Functions (Operate after ②)

Hold

Freeze / unfreeze picture

STILL



Display status information

Display / hide status information

Press once to activate and press again to clear on screen display information.



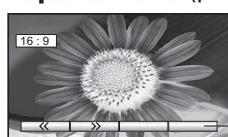
- Displayed information:

For example, Programme number, Channel number, Stereo mode, Aspect mode, Sound menu, Picture menu.

Change aspect ratio

Change the aspect ratio (p. 25)

ASPECT



- Each press changes the mode.

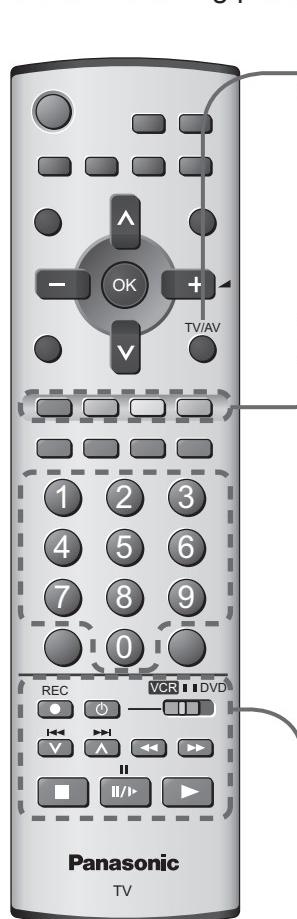
(16:9 / 14:9 / Just / 4:3 / 4:3 Full (HD signal only) / Zoom1 / Zoom2 / Zoom3)

While the bar is displayed ➡



Watching Videos and DVDs

It is possible to connect a variety of external equipment to the TV unit. Once the equipment is connected, use the following procedure to view the input. To connect the equipment (p. 22)



With the equipment turned On
Select the external input



(AV mode screen)



1

Select the connector connected to the equipment

Displays the selected connector

AV2

AV1 AV2 AV3 HDMI



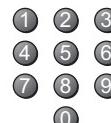
●example: AV1 → red

Some Panasonic VCR and DVD equipment connected to the TV unit can be directly operated with the remote control.

■ Remote control setting

① Switch to select VCR or DVD →

② Press and hold while operating ② → Enter the manufacturer code (two digit code)



Press

VCR

Manufacturer	Code
Panasonic / National	10, 11, 12, 13

DVD

Manufacturer	Code
Panasonic	70, 71

- After setting, execute operation confirmation. If there is no operation, set a different code.
- The respective VCR / DVD code is cancelled when battery has been exchanged. Set it again.
- Depending on the model, operation may not be possible.
- In some cases, new products may not be operative.

	Rewind / Slow-motion / Search VCR: Rewind, review (during playback) DVD: Play at slow speed Press and hold to search backward
	Fast-forward / Slow-motion / Search VCR: Fast-forward, cue (during playback) DVD: Play at slow speed Press and hold to search forward
	Pause Pause / Restart
	Programme Up, Down / Skip VCR: Select programme DVD: Skip the track or title
	Record Start recording

■ To return to TV



Note

- If the external equipment has an aspect adjustment function, set to "16:9".
- For details, see the manual of the equipment or ask your local dealer.

	VCR / DVD switch Select VCR / DVD
	Standby Set to Standby mode / Turn on
	Play Playback VCR / DVD
	Stop Stop the operations

Viewing Teletext

You can enjoy teletext broadcasting, including news, weather forecasts and subtitles, if this service is provided by the broadcasters.

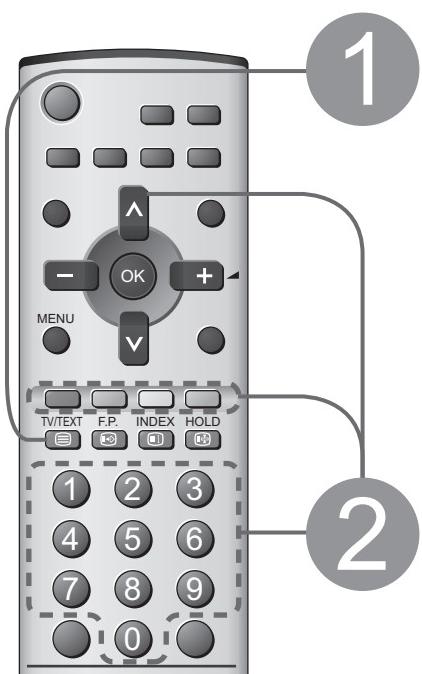
What is TOP mode?

In TOP mode, four differently coloured subjects are situated at the bottom of the display. To access more information about one of these subjects, press the appropriately coloured button. This facility enables fast access to information on the subjects shown.

What is List mode?

In List mode, four differently coloured page numbers are situated at the bottom of the screen. Each of these numbers can be altered and stored in the TV's memory. ("Store Frequently viewed pages", p. 13)

■ To change mode ➤ "Teletext" in Setup menu (p. 14)

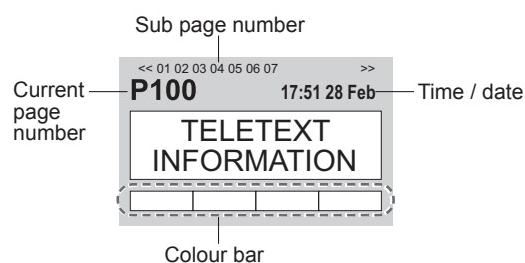


Switch to Teletext

TV/TEXT

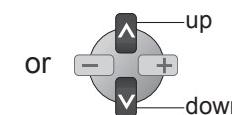


- Displays Index (content varies depending on the broadcasters)

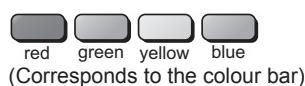


Select the page

1 2 3
4 5 6
7 8 9
0



or



■ To return to TV

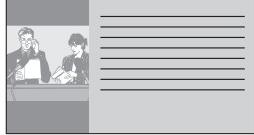
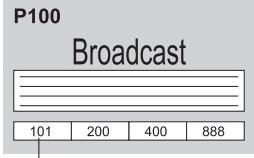
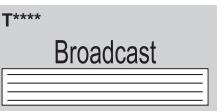
→ TV/TEXT

■ To adjust contrast ➤ MENU ➤ - +

As the blue bar is displayed

■ Using teletext conveniently

Reveal hidden data	Reveal hidden words e.g. quiz page answers MENU → ● Re-hide ➤
FULL / TOP / BOTTOM	MENU → (TOP) (BOTTOM) (Normal (FULL)) (Expand the BOTTOM half)

HOLD	<p>If you wish to hold the current page without updating Stop or resume automatic updating</p> <p>To resume → </p>
INDEX	<p>Return to the main index page</p> <p> ● TOP mode only</p>
Call up a favourite pages	<p> ● Call up the page stored in "blue". ● Factory setting is "P103".</p>
View in multi window	<p>Watch TV and Teletext in two windows at once</p> <p> (Press twice) →  ● Select Picture and text On or Off</p>  <p>● Operations can be made only in Teletext screen.</p>
Store frequently viewed pages	<p>Store frequently viewed pages (programme position 1 to 25) in the colour bar (List mode only)</p> <p>As page is displayed  Corresponding colour button →  hold down</p>  <p>The number changes to white.</p> <p>To change stored pages →  Colour button you want to change →  hold down</p> <p>Enter new page number  </p>
View sub page	<p>View sub page (Only when teletext is more than one page)</p> <p> <>01 02 03 04 05 → Appears at upper-left corner of the screen</p> <p>To view specific sub page</p> <p>MENU →  blue →  → Enter the 4-digit number example: P6 0 0 0 6 → </p> <p>Sub pages: The number of sub pages varies depending on the broadcasters (up to 79 pages). It may take some time for searching, during which time you can watch TV.</p>
Watch TV while waiting for update	<p>View the TV picture while searching for a teletext page</p> <p>Teletext automatically updates itself when new information becomes available. Changes to TV screen temporarily</p> <p>MENU →  yellow →  → View the updated page</p> <p>(You cannot change the channel.)</p> <p>● The news page provides a function that indicates arrival of latest news ("News Flash").</p>

How to Use Menu Functions

Various menus allow you to make settings for the picture, sound, and other functions so that you can enjoy watching TV in your own way.



1

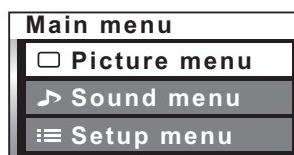
Display menu



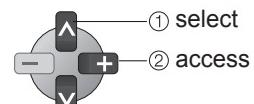
- MENU Displays the functions that can be set (varies according to the input signal)

2

Select the menu

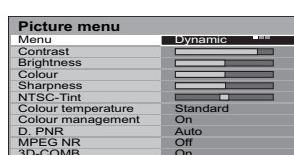


(example: Picture menu)

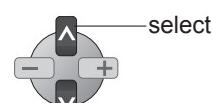


3

Select the item

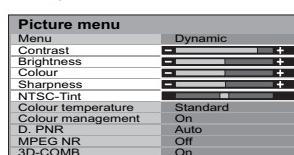


(example: Picture menu)

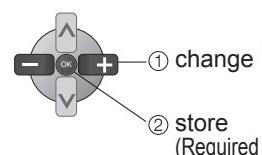


4

Adjust or select



(example: Picture menu)



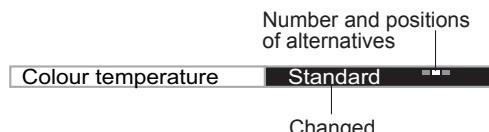
To return to TV



To return to the previous screen



Choose from among alternatives



Adjust using the slide bar



Go to the next screen



To reset the setting

→ Display Menu in Picture menu or Sound menu (Bass, Treble) you want to reset



■ Menu list

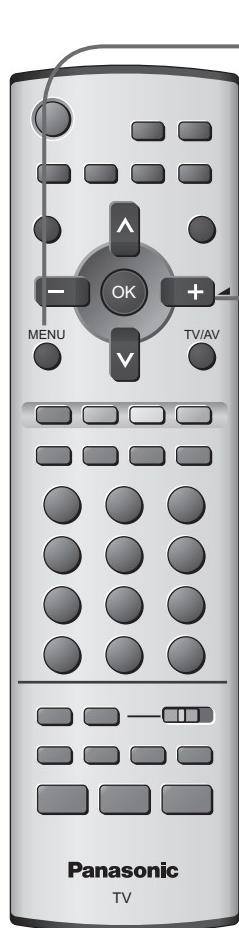
Menu	Item
Picture menu	Contrast, Brightness, Colour, Sharpness NTSC-Tint Colour temperature Colour management D. PNR MPEG NR 3D-COMB
Sound menu	Volume Bass, Treble Balance Surround HDMI input HDMI setting Teletext Off timer Ch colour set Child lock Side panel Power save Tuning menu Owner ID Colour system
Setup menu	Colour matrix

Adjustments / Configurations (alternatives)		
Basic picture mode (Dynamic / Standard / Cinema) ● Set for each input signal	Menu	Dynamic
Adjusts colour, brightness, etc. for each picture mode to suit your taste	Contrast Brightness Colour Sharpness	
Adjusts tint of image ● For NTSC signal reception only ● Item will be changed to "Tint" when receiving YUV(60Hz) or HDMI(60Hz) signal	NTSC-Tint	
Chooses the colour balance of the entire image (Cool / Standard / Warm)	Colour temperature	Standard
Automatically adjusts colours to vivid ones (Off / On)	Colour management	On
Automatically reduces unwanted picture noise (Off / Strong / Weak / Auto) ● Set to Off when receiving a strong signal or AV input	D. PNR	Auto
Automatically reduces noise for watching DTV, DVD and VCD (Off / Strong / Mid / Weak)	MPEG NR	Off
Automatically makes still pictures and slow pictures look more vivid (Off / On) ● For PAL or NTSC signal reception only ● Not valid on S-Video, components and HDMI	3D-COMB	On
Basic sound mode (Music / News / Cinema) ● Set for each input signal	Menu	Music
Adjusts the output volume	Volume	
Adjusts the output level of deep bass, high-pitch, shrill sound for each sound mode	Bass Treble	
Adjusts volume level of right and left speakers	Balance	
Gives a greater spatial effect by using dynamic enhancer (Off / On) ● Switching is also possible by SURROUND button on the remote control	Surround	Off
Chooses according to the signal when HDMI is connected (Auto / Digital / Analogue) (p. 26)	HDMI input	Auto
Control with HDMI function (p. 20)	HDMI setting	Access
Teletext display mode (TOP / List) (p. 12)	Teletext	TOP
Sets the time the unit automatically turns Off. (Off / 15 / 30 / 45 / 60 / 75 / 90) (minutes) ● Switching is also possible by OFF TIMER button on the remote control	Off timer	Off
Colour density varying between broadcast channels can be adjust to three levels for each reception channel ● Select the channel you want to adjust and set this function	Ch colour set	
Child lock can be set for each channel and each AV mode Image and sound are not available during Child lock On (Black screen will appear) ● Select the channel or AV mode you want to lock and set this function	Child lock	Off
Increases the brightness of the side panel (Off / Low / Mid / High) ● The recommended setting is High to prevent panel "after-image"	Side panel	Off
Reduces brightness of picture to economise on power consumption (Off / On)	Power save	Off
Edits or sets channels (p. 16)	Tuning menu	Access
Inputs the owner ID (p. 18)	Owner ID	Access
Selects optional colour system based on video signals in AV mode	Colour system	Auto
Displayed during AV mode Available only with 480p or 576p input signals in a natural colour from digital equipment connected to AV2 / AV3 Component or HDMI terminals Select SD or HD to adjust suitable colour parameters for SD (standard definition) or HD (high definition) ● SD: Input signal is a normal TV system ● HD: Input signal is a High-Definition system	Colour matrix	SD

● In AV mode, the Sound menu and Setup menu change a number of options.

Editing and Setting Channels

The current channel settings can be changed according to your needs and reception conditions.
For Auto tuning, see p. 9.



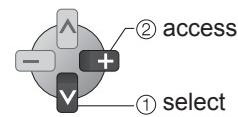
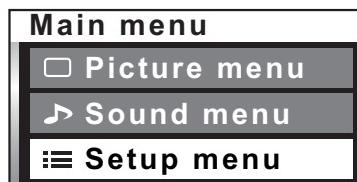
1

Display the menu



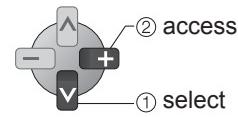
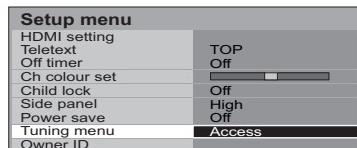
2

Select "Setup menu"



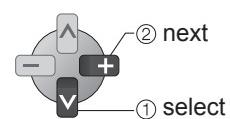
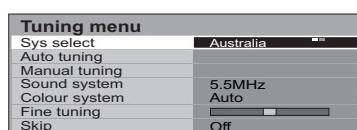
3

Select "Tuning menu"



4

Select the function



5

Set _____

■ To exit



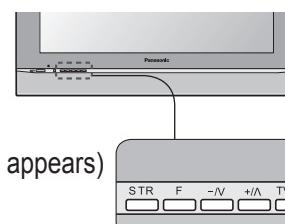
For Auto tuning, using the buttons on the unit
("Tuning mode" on p. 7)

① (Press repeatedly until "Tuning mode" appears)

② or (Access Tuning menu)

③ (Press repeatedly until "Auto tuning" is reached)

④ or (Searching channels)



■ To return to TV



● Not available when Child lock in Setup menu is set (p. 14).

Edit

Sound system

Edit

Colour system

Small adjustment

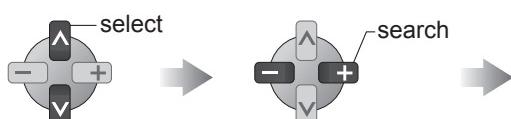
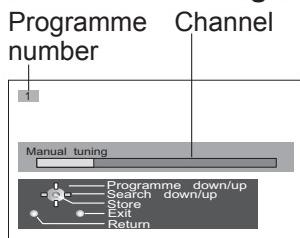
Fine tuning

Skip the programme

Skip

To freely change settings after Auto setup

① Select the programme number and search through the channel



② Store

- The programme number blinks.

③ Repeat ① and ②

Note

- If a VCR is connected with only the RF cable, select programme number "0".

For Manual tuning, using the buttons on the unit

("Tuning mode" on p. 7)

① (Press repeatedly until "Tuning mode" appears)

② or (Access Tuning menu)

③ (Press repeatedly until "Manual tuning" is reached)

④ or (Access Manual tuning)

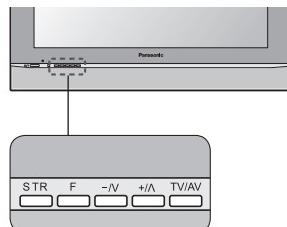
⑤ (Programme, Channel (not displayed), Sound system)

⑥ or (Change programme, Start searching channels, Change sound system)

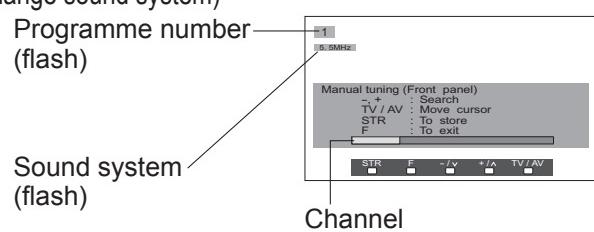
⑦ (Store)

⑧ ⑤-⑦ (Repeat)

- Not available when Child lock in Setup menu is set (p. 14).



To return to TV



If the sound is weak or distorted, change the sound system used for a programme channel. (**5.5MHz / 6.5MHz**)

Select the channel you want to adjust ➡ Set this function ➡

If the image is strange, change the colour system to the correct transmission signal being received. (**Auto / PAL / NTSC 4.43 / NTSC 3.58**)

Select the channel you want to adjust ➡ Set this function ➡

- Normally, select "Auto"

For the small adjustments to the tuning of an individual channel (useful for example when weather conditions are affecting reception quality of a programme)

Select the channel you want to adjust ➡ Set this function ➡

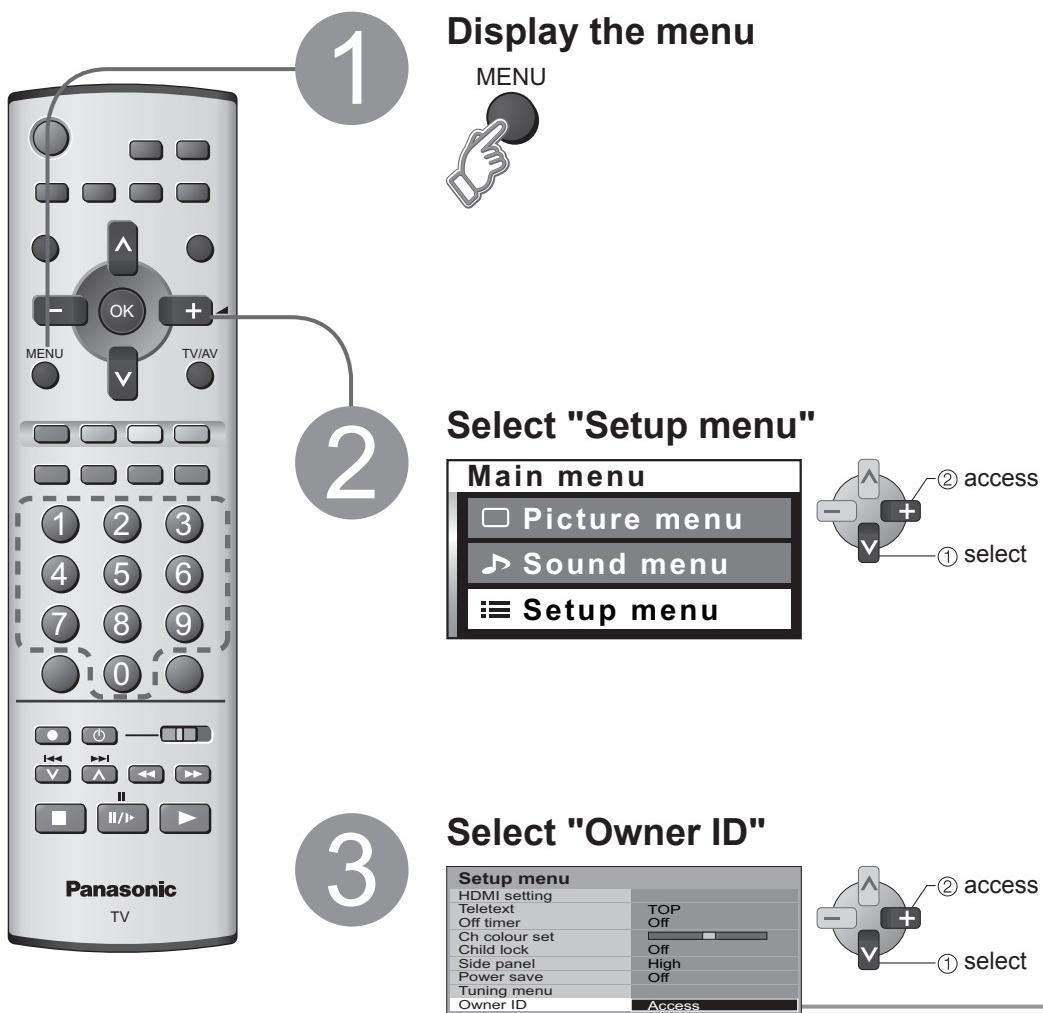
- To cancel Fine tuning, tune again by Manual tuning

For the skip programme numbers which have no tuning data

Select the channel you want to skip ➡ Set "Skip" to "On" ➡

- This function is only effective when pressing the Programme number up or down button either on the TV unit or on the remote control.

Owner ID

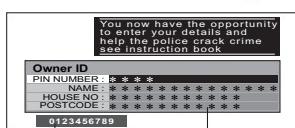


Input owner ID

Entry of the security code (PIN number) and "personal information" (your name, address and zip code) in the unit allows the police to quickly trace the owner in case of theft.

If a PIN number has already been stored, personal information can be changed by entering that number.

① Enter the 4-digit PIN number



Characters Entry field

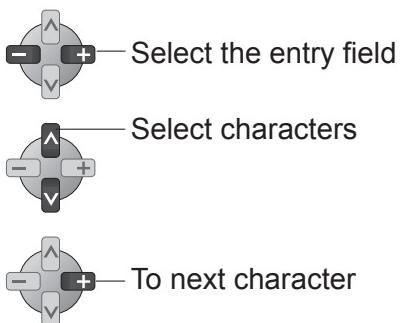


■ To change the stored information

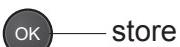
Enter the
→ PIN number → OK
0 - 9

- Make a note of the PIN number in case you forget it.

② Enter your name, address, and zip code, in that order



③ Store

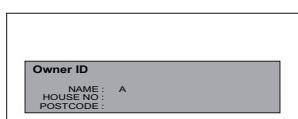


To check the "personal information" stored

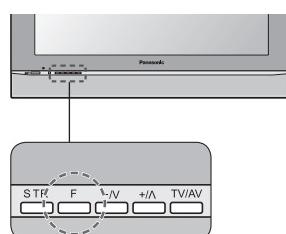
F Hold down for about 6 sec.



Displays the information on
the screen (for several sec.)



● The PIN number is not displayed.



External Equipment

Control with HDMI "HDAVI Control™"*

*Enjoy additional HDMI Inter-Operability with Panasonic products which have "HDAVI Control" function. HDMI connections to some Panasonic equipments (Panasonic DVD Recorder DIGA, Panasonic Player theatre, Panasonic Amplifier, etc.) allow you to enjoy the easy playback or home theatre.

About connections, see p. 21. Read the manuals of the equipment too.

Non-HDMI-compliant cables cannot be utilized.

About applicable equipments, consult your local Panasonic dealer.

After connections turn the equipments on and then, switch the TV unit on.



1

Display the menu

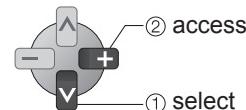
MENU



2

Select "Setup menu"

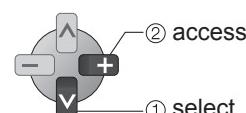
Main menu	
■	Home theatre
□	Picture menu
♪	Sound menu
≡	Setup menu



3

Select "HDMI setting"

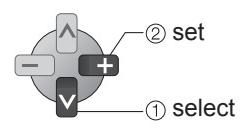
Setup menu	
HDMI setting	Access
Teletext	TOP
Off timer	Off
Ch colour set	Off
Child lock	Off
Side panel	High
Power save	Off
Tuning menu	Off
Owner ID	



4

Select "Control with HDMI" and set to "On"

HDMI setting	
Control with HDMI	On
Power off link	Set
Power on link	Set



- It is recommended that you use Panasonic's HDMI cable.

Recommended part number:

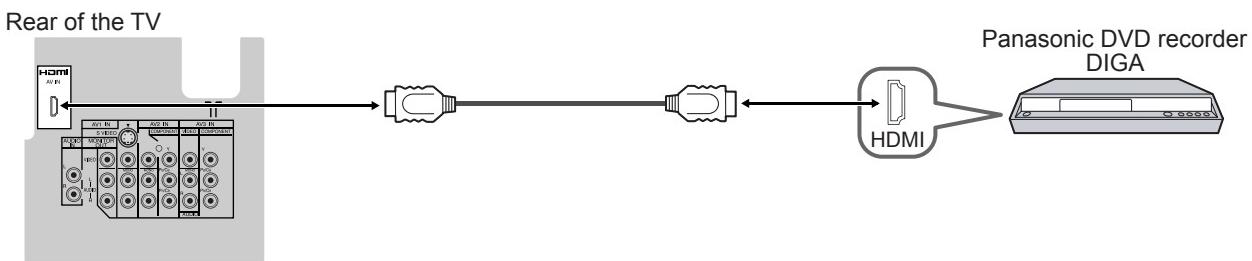
RP-CDHG15 (1.5 m)

RP-CDHG30 (3.0 m)

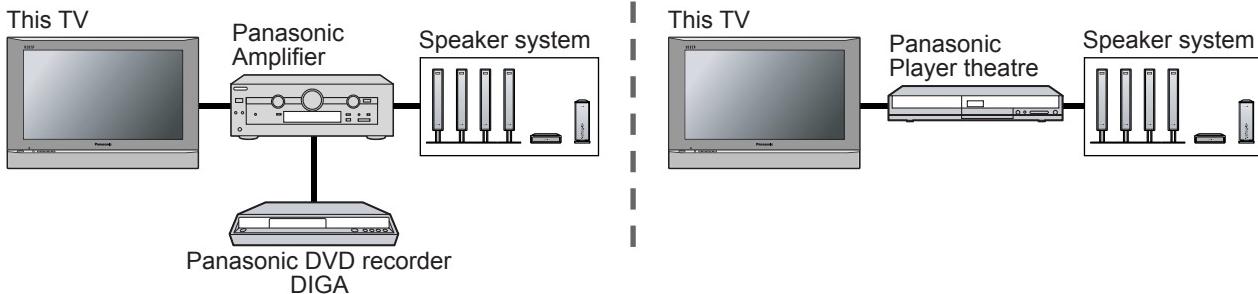
RP-CDHG50 (5.0 m)

Connections for Control with HDMI

■ Easy playback



■ Home theatre



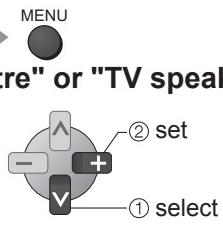
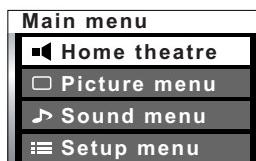
Read the manuals of Panasonic Amplifier or Player theatre for details.

Easy playback

Automatic Input switching-When the connected Panasonic equipment is operated, input mode is switched automatically. When it is stopped operating, input mode is not returned.

You can control the theatre speaker with TV's remote control.
This function is available when Panasonic Amplifier or Player theatre is connected.

- ① Display the menu ➡ MENU
- ② Select "Home theatre" or "TV speaker"



■ Home theatre:

Adjustment for equipment (automatically turned on if it is in Standby mode)

Volume up / down ➡ - +

Mute ➡ ✘

■ TV speaker:

TV speakers are active.

- When selecting "Home theatre", the sound of TV speakers is mute.
- When the equipment is turned off, TV speakers will be active.

Theatre speaker

Power on link

Power off link

Set to "Set"

➡ When the connected Panasonic equipment is operated, TV is also automatically turned on and the content is reproduced. (Only when TV is in Standby mode.)

Set to "Set"

➡ When TV is set to Standby mode, the connected Panasonic equipment is also automatically set to Standby.

Note

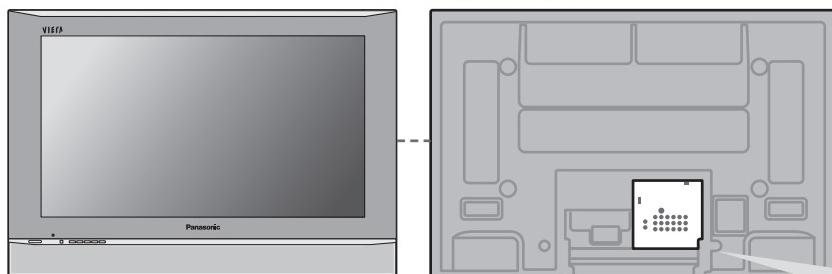
- The TV remains on even if the "Control with HDMI" compatible equipment is turned off.

External Equipment

Connections

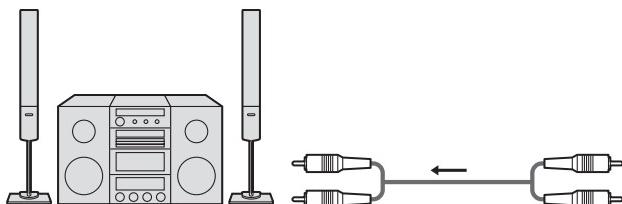
These diagrams show our recommendations for how to connect the TV unit to your various equipment. For other connections, consult the instructions of each equipment, the table below, and the specifications (p. 30).

Rear of the TV



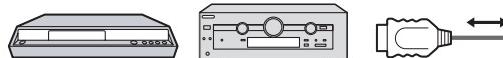
To listen with speakers

Amplifier with speaker system



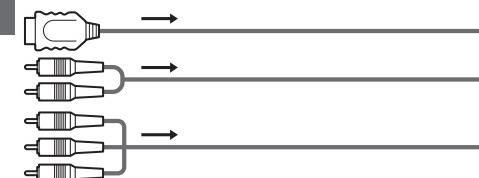
Control with HDMI (p. 20)

DIGA or Panasonic Amplifier



To watch DVDs

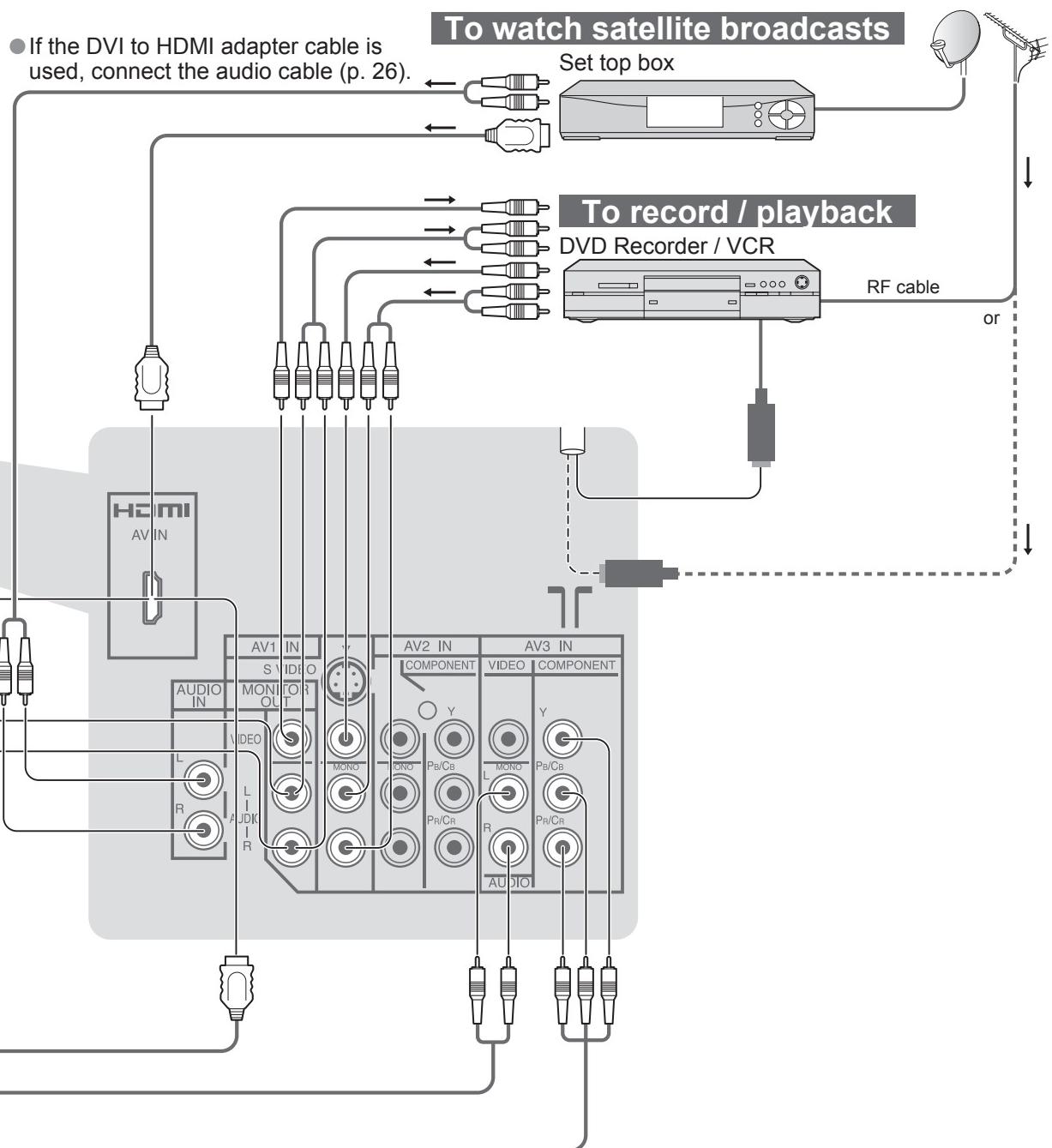
DVD player



Types of connectable equipment to each connector

Connector	AV1 IN	AV2 IN	AV3 IN
Recording / Playback (equipment)			
■ To record / playback videocassettes / DVDs (VCR / DVD recorder)	○	○	○
■ To watch DVDs (DVD player)	○	○	○
■ To watch camcorder images (Video camera)	○	○	○
■ To watch satellite broadcasts (Set top box)		○	○
■ To play games (Game equipment)	○	○	○
■ Control with HDMI			

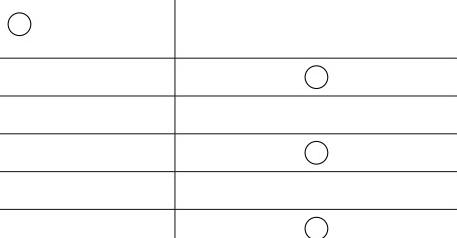
○: Recommended Connection



MONITOR OUT



- Connect the S-VIDEO or VIDEO terminal when using AV1 IN terminals.
- Connect the COMPONENT or VIDEO terminal when using AV2 / AV3 IN terminals.



S VIDEO 4 pin terminal

Chrominance in Luminance in
Chrominance earth Luminance earth

Technical Information

Channel Allocation

Sys select	NZ/INDONES	Australia
CH DISPLAY	RECEIVE CHANNEL	
0	-	-
1	1	0
2	2	1
3		2
4		3
5		4
6		5
7		S2
11	11	
12	-	
13	-	
14	-	
15	-	
16	-	
19	-	S10
20	-	6
21	21	9
22		9A
23		
24		
28		
57		
58		
59		
62	62	10
63	63	11
69	69	12
70	-	S11
73	-	
74	-	
75	S'1	
76	S'2	
77	S'3	
78	-	
79	-	
80	S1	
81	S2	
89	S10	
90	S11	
91	S12	
92	S13	
93	S14	
94	S15	
95	S16	
96	S17	
97	S18	
98	S19	
99	S20	
100	S21	
107		69
117		-
118		-
120		-
125		-

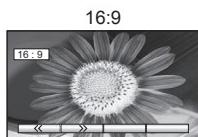
Aspect Ratio

The optimum size and aspect can be chosen, and you can enjoy finer images. (p. 10)

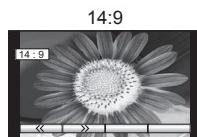
Signal name TV/AV1/ AV2/AV3 Component/HDMI	Aspect modes							
	16:9	14:9	Just	4:3	4:3 Full	Zoom1	Zoom2	Zoom3
PAL I	○	○	○	○	-	○	○	○
PAL 525/60	○	○	○	○	-	○	○	○
M.NTSC	○	○	○	○	-	○	○	○
NTSC	○	○	○	○	-	○	○	○
480i (60 Hz)	○	○	○	○	-	○	○	○
480p (60 Hz)	○	○	○	○	-	○	○	○
576i (50 Hz)	○	○	○	○	-	○	○	○
576p (50 Hz)	○	○	○	○	-	○	○	○
720p (50 Hz)	○	○	○	○	○	○	○	○
720p (60 Hz)	○	○	○	○	○	○	○	○
1080i (50 Hz)	○	○	○	○	○	○	○	○
1080i (60 Hz)	○	○	○	○	○	○	○	○

Note

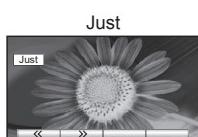
- The ratio varies depending on the programme, etc. If the ratio is greater than the standard "16:9", black bands may appear at the top and bottom of the screen.
- If the screen size looks unusual when a widescreen-recorded programme is played back on a VCR, adjust the tracking of the VCR. (See the VCR manual.)
- To select the ratio manually:



16:9
Directly displays the image at "16:9" without distortion (anamorphic).



14:9
Displays the image at the standard "14:9" without enlargement.



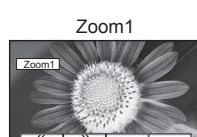
Just
Displays a 4:3 image full-screen. Stretching is only noticeable at the left and right edges.



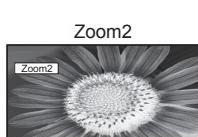
4:3
Displays the image at the standard "4:3" without distortion.



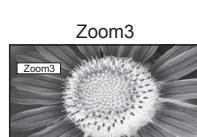
4:3 Full
Displays a "4:3" image enlarged horizontally to fit the screen.



Zoom1
Displays a "16:9" letterbox or "4:3" image without distortion.



Zoom2
Displays a "16:9" letterbox (anamorphic) image full-screen without distortion.



Zoom3
Displays a "2.35:1" letterbox (anamorphic) image full-screen without distortion. At "16:9", displays the image at its maximum (with slight enlargement).

Technical Information

HDMI connection

HDMI (high-definition multimedia interface) allows you to enjoy high-definition digital images and high-quality sound by connecting the TV unit and the equipment.

HDMI-compatible equipment (*1) with an HDMI or DVI output terminal, such as a set top box or a DVD player, can be connected to the HDMI terminal using an HDMI compliant (fully wired) cable.

- HDMI is the world's first complete digital consumer AV interface complying with a non-compression standard.
- If the external equipment has only a DVI output, connect to the HDMI terminal via a DVI to HDMI adapter cable (*2).
- When the DVI to HDMI adapter cable is used, connect the audio cable to the audio input terminal.
- Audio settings can be made on the "HDMI input" menu screen. (p. 14)
- Applicable audio signal sampling frequencies (2ch L.PCM): 48 kHz, 44.1 kHz, 32 kHz

(*1): The HDMI logo is displayed on an HDMI-compliant equipment. (*2): Enquire at your local digital equipment retailer shop.

Note

- Use with a PC is not assumed.
- The 720p/1080i signals will be reformatted before being displayed on the screen.
- If the connected equipment has an aspect adjustment function, set the aspect ratio to "16:9".
- This HDMI connector is "type A".
- An equipment having no digital output terminal may be connected to the input terminal of either "Component", "S-VIDEO", or "Video" to receive analogue signals.
- The HDMI input terminal can be used with only the following image signals:
480i, 480p, 576i, 576p, 720p and 1080i. Match the output setting of the digital equipment.
- For details of the applicable HDMI signals, see p. 27.
- DVI picture position is controlled by the source equipment (ie; STB, DVD player etc.). If you experience picture position errors using DVI to HDMI adapter cable, please contact the source equipment manufacturer.

Control with HDMI

HDMI connections to some Panasonic equipments allow you to enjoy the easy playback or home theatre.

- Setup the equipment to enable this function. Read the manual of the equipment.
- Switch the TV unit on again with the equipment on when connection or setup is changed.
- This function may not work normally depending on the equipment condition.
- The equipment can be operated by TV's remote control with this function on even if TV is in Standby mode.
- Image or sound may not be available for the first few seconds when the playback starts.
- Image or sound may not be available for the first few seconds when Input mode is switched.
- Volume function will be displayed when adjusting the volume of the equipment.
- Easy playback is also available by using the remote control for Amplifier. Read the manuals of Amplifier.
- "Control with HDMI" function is not possible using DVI connection.

Stereo / Bilingual Sound Selection

 When you receive the stereo / bilingual sound system, sound output modes can be selected by pressing the **Stereo / Bilingual Sound Selection** button.

Audio Signal	STEREO	MAIN I	SUB II	MONO
Mode Indicator	∞	I	II	▽

NICAMUsed in New Zealand, Singapore, Hong Kong etc.

Type of broadcast	Regular broadcast (Standard Audio)	Regular + NICAM MONO I (MAIN I)	NICAM STEREO	NICAM DUAL MONO (MAIN I / SUB II)
Mode Indicator	No Indicator ↔ ▽	I ↔ ▽	∞ ↔ ▽	I → II ↑ ↓ ← →

A2(German)Used in Australia, Malaysia etc.

Type of broadcast	Regular broadcast (Standard Audio)	BILINGUAL or DUAL MONO: MAIN I / SUB II	STEREO
Mode Indicator	No Indicator ↔ ▽	I ↔ II	∞ ↔ ▽

Note

- If the stereo signal is poor or the receiving conditions are not optimum or if STEREO:MONO automatic switching occurs, it is recommended you switch from STEREO to MONO.
- Even when the contents of the receiving signal undergo changes, selection mode is kept intact.
- When the receiving conditions deteriorate, listening will be easier if the mode is set to the MONO position, using the stereo / bilingual sound selection button.
- DUAL, also known as DUAL MONO or as BILINGUAL is not currently transmitted in some countries.

Input signal that can be displayed

* Mark: Applicable input signal for Component (Y, P_B/C_B, P_R/C_R) and HDMI

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)	Component	HDMI
480i (60 Hz)	15.73	59.94	*	*
480p (60 Hz)	31.47	59.94	*	*
576i (50 Hz)	15.63	50.00	*	*
576p (50 Hz)	31.25	50.00	*	*
720p (60 Hz)	45.00	60.00	*	*
720p (50 Hz)	37.50	50.00	*	*
1,080i (60 Hz)	33.75	60.00	*	*
1,080i (50 Hz)	28.13	50.00	*	*
1,080i (50 Hz)* ¹	31.25	50.00	*	

¹ Based on SMPTE295M standard

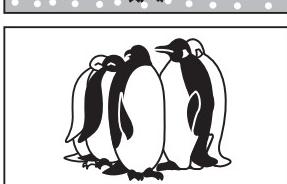
Note

- Signals other than above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.

FAQs

Before requesting service or assistance, please follow these simple guides to resolve the problem. If problem still persists, please contact your local Panasonic dealer or Panasonic Customer Care Centre for assistance.

White spots or shadow images (noise)



- Check the position, direction, and connection of the aerial.

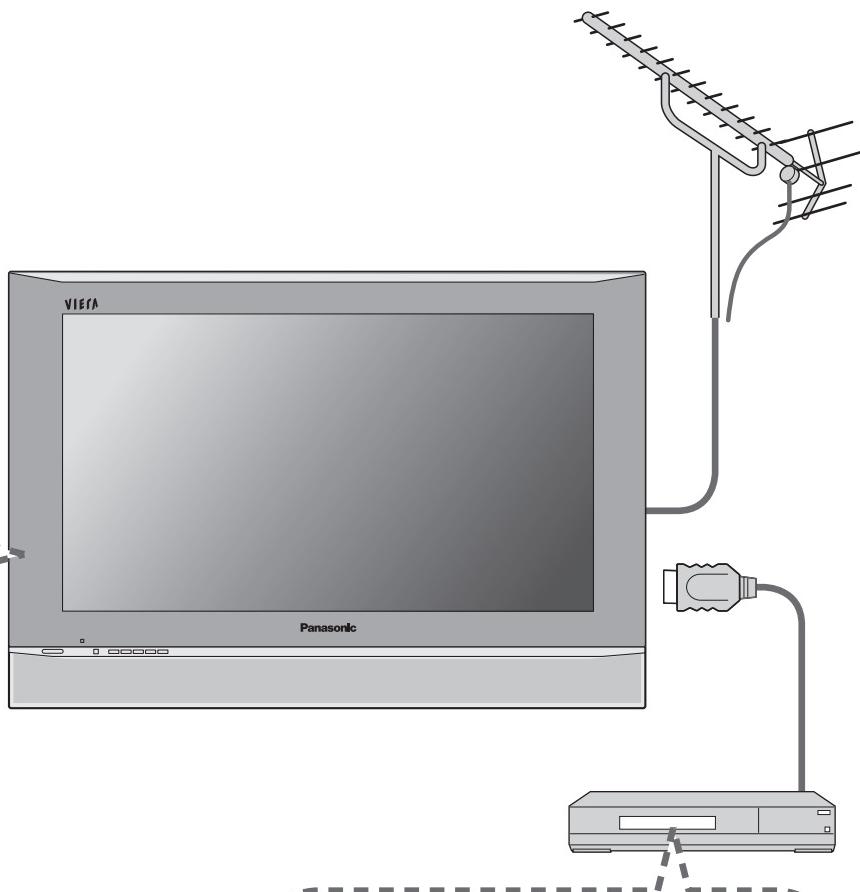
VIERA logo appears at the four corners of the screen

Contrast is reduced

- The function to prevent after-image is activated.
(Not a faulty symptom)
 - The screen saver is activated if the TV unit is not operated for a certain time in AV mode.
 - Contrast is lowered when radio, menu, etc. lasts for several minutes.
 - "after-image" (p. 5)

Only one part remains dark

- A pixel or luminescent spot may occasionally be missing in plasma displays.
(Not a faulty symptom)



Pictures from an equipment are unusual when the equipment is connected via HDMI

- Is the HDMI cable connected properly? (p. 22)
- Turn Off the TV unit and equipment, then turn them On again.
- Check an input signal from the equipment. (p. 27)
- Use an equipment compliant with EIA/CEA-861/861B.

The remote control does not work

- Are the batteries installed correctly? (p. 6)
- Has the TV unit been switched On?

Problem	Actions
Chaotic image, noisy	<ul style="list-style-type: none"> ● Set "D. PNR" in the Picture menu (to remove noise). (p. 14) ● Check nearby electrical products (car, motorcycle, fluorescent lamp).
No image can be displayed	<ul style="list-style-type: none"> ● Is "Colour" or "Contrast" in the Picture menu set to the minimum? (p. 14) ● Check "Colour system" (p. 16)
Blurry or distorted image (no sound or low volume)	<ul style="list-style-type: none"> ● Reset channels. (pp. 9 and 16)
Neither image nor sound is produced	<ul style="list-style-type: none"> ● Is the unit in "AV mode"? ● Is the mains lead plugged into the socket outlet? ● Is the TV unit turned On? ● Check Picture menu (p. 14) and volume.
No sound is produced	<ul style="list-style-type: none"> ● Is "Sound Mute" active? (p. 7) ● Is the volume set to the minimum?
Sound level is low or sound is distorted	<ul style="list-style-type: none"> ● Sound signal reception may be deteriorated. ● Check "Sound system" (p. 16)
Sound is unusual	<ul style="list-style-type: none"> ● Set the sound setting of the connected equipment to "2ch L.PCM". ● Check the "HDMI input" setting in the Sound menu. (p. 14) ● If digital sound connection has a problem, select analogue sound connection. (p. 26)
An error message appears	<ul style="list-style-type: none"> ● Contact the authorized Service Centre.
"Control with HDMI" function does not work	<ul style="list-style-type: none"> ● Switch the TV unit on again with the equipment on. ● Set "Control with HDMI" to "Off", then set to "On" again. (p. 20)
TV unit goes into "Standby mode"	<ul style="list-style-type: none"> ● The sleep function is activated. ● The TV unit enters "Standby mode" about 30 min. after broadcasting ends.
An error message appears	<ul style="list-style-type: none"> ● Follow the message's instructions. ● If the problem persists, contact the authorized Service Centre.

Screen

Sound

HDMI

Other

Licence

Trademark Credits

- HDMI, the HDMI Logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
- HDAVI Control™ is a trademark of Matsushita Electric Industrial Co., Ltd.

Specifications

TH-42PA60A		
Power Source	AC 220-240 V, 50 / 60 Hz	
Average use	294 W	
Standby condition	0.3 W	
Drive method	AC type	
Aspect Ratio	16:9	
Contrast Ratio	Max 10000:1	
Visible screen size (No. of pixels)	106 cmV 920 mm (W) × 518 mm (H) × 1,056 mm (diagonal) 408,960 (852 (W) × 480 (H)) [2,556 × 480 dots]	
Speaker	12 cm × 6 cm × 2 pcs, 8 Ω	
Sound	20 W (10 W + 10 W), 10% THD	
Receiving Systems / Band name	1. PAL B/G Reception of Off air broadcasts 2. NTSC 4.43 Playback from Video Tape Recorders 3. NTSC 3.58 Playback from Special Video Tape Recorders and Special Video Disc Players 4. PAL 60Hz (Via the AV Sockets) only.	
Receiving Channels	VHF 0 to 12 UHF 21 to 69 S'1 to S'3 S1 to S41	PAL B PAL G HYPER TUNER (One tuner)
Aerial - Rear	VHF / UHF	
Operating Conditions	Temperature : 0 °C - 40 °C Humidity : 20 % - 80 % RH (non-condensing)	
Connection Terminals		
AV1 Input	AUDIO L - R	RCA PIN Type × 2 0.5 V[rms]
	VIDEO	RCA PIN Type × 1 1.0 V[p-p] (75 Ω)
	S VIDEO	Mini DIN 4-pin Y:1.0 V[p-p] (75 Ω) C:0.286 V[p-p] (75 Ω)
AV2 Input	AUDIO L - R	RCA PIN Type × 2 0.5 V[rms]
	VIDEO	RCA PIN Type × 1 1.0 V[p-p] (75 Ω)
	COMPONENT	Y 1.0 V[p-p] (including synchronization) PB/CB, PR/CR ±0.35 V[p-p]
AV3 Input	AUDIO L - R	RCA PIN Type × 2 0.5 V[rms]
	VIDEO	RCA PIN Type × 1 1.0 V[p-p] (75 Ω)
	COMPONENT	Y 1.0 V[p-p] (including synchronization) PB/CB, PR/CR ±0.35 V[p-p]
Others	HDMI Input	TYPE A Connector
	Audio Input	RCA PIN Type × 2 0.5 V[rms]
Monitor Output	AUDIO L - R	RCA PIN Type × 2 0.5 V[rms] (high impedance)
	VIDEO	RCA PIN Type × 1 1.0 V[p-p] (75 Ω)
Dimensions (W × H × D)		1,068 mm × 701 mm × 97 mm
Weight		29.0 kg Net

Note

- Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.

WARRANTY - Australia only

1. The product is warranted for 12 months from the date of purchase. Subject to the conditions of this warranty Panasonic or its Authorised Service Centre will perform necessary service on the product without charge for parts or labour if, in the opinion of Panasonic, the product is found to be faulty within the warranty period.
 2. This warranty only applies to Panasonic products purchased in Australia and sold by Panasonic Australia or its Authorised Distributors or Dealers and only where the products are used and serviced within Australia or its territories. Warranty cover only applies to service carried out by a Panasonic Authorised Service Centre and only if valid proof of purchase is presented when warranty service is requested.
 3. This warranty only applies if the product has been installed and used in accordance with the manufacturer's recommendations (as noted in the operating instructions) under normal use and reasonable care (in the opinion of Panasonic). The warranty covers normal domestic use only and does not cover damage, malfunction or failure resulting from use of incorrect voltages, incorrect installation, accident, misuse, neglect, build-up of dirt or dust, abuse, maladjustment of customer controls, mains supply problems, thunderstorm activity, infestation by insects or vermin, tampering or repair by unauthorised persons (including unauthorised alterations), exposure to abnormally corrosive conditions or any foreign object or matter having entered the product.
 4. This warranty does not cover the following items unless the fault or defect existed at the time of purchase:

(a) Video or Audio Tapes	(d) Cabinet Parts	(g) Microwave Oven cook plates.
(b) Video or Audio Heads and Stylii resulting from wear and tear in normal use	(e) User replaceable Batteries	(h) Kneader mounting shaft unit (bread bakery)
(c) Shaver Heads or Cutters	(f) Thermal Paper, Toner/Ink Cartridges, Drums, Developer, Film (Ink/Ribbon), Film Cartridge, Printer Heads	
 5. If warranty service is required you should:
 - Telephone Panasonic's Customer Care Centre on 132600 or visit our website and use the Service Centre Locator for the name/address of the nearest Authorised Service Centre.
 - Send or bring the product to a Panasonic Authorised Service Centre together with your proof of purchase receipt as a proof of purchase date. Please note that freight and insurance to and / or from your nearest Authorised Service Centre must be arranged by you.
 - Note that home or pick-up/delivery service is available for the following products in the major metropolitan areas of Australia or the normal operating areas of the nearest Authorised Service Centres:

(a) Picture tube (CRT) based Television Receivers (screen sizes greater than 66cm); Rear Projection TV's; Plasma/LCD televisions / displays (screen size greater than 103 cm)	(b) Convection/Combination Microwave Ovens
	(c) Whiteboard (except portable type)
 6. The warranties hereby conferred do not extend to, and exclude, any costs associated with the installation, de-installation or re-installation of a product, including costs related to the mounting, de-mounting or remounting of any screen, (and any other ancillary activities), delivery, handling, freighting, transportation or insurance of the product or any part thereof or replacement of and do not extend to, and exclude, any damage or loss occurring by reason of, during, associated with, or related to such installation, de-installation, re-installation or transit.
- Panasonic Authorised Service Centres are located in major metropolitan areas and most regional centres of Australia, however, coverage will vary dependant on product. For advice on exact Authorised Service Centre locations for your product, please telephone our Customer Care Centre on 132600 or visit our website and use the Service Centre Locator.
- Unless otherwise specified to the consumer the benefits conferred by this express warranty are additional to all other conditions, warranties, guarantees, rights and remedies expressed or implied by the *Trade Practices Act 1974* and similar consumer protection provisions contained in legislation of the States and Territories and all other obligations and liabilities on the part of the manufacturer or supplier and nothing contained herein shall restrict or modify such rights, remedies, obligations or liabilities.

November 2005

THIS WARRANTY CARD AND THE PURCHASE DOCKET (OR SIMILAR PROOF OF PURCHASE) SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES

If you require assistance regarding warranty conditions or any other enquiries,
please visit the **Panasonic Australia** website
www.panasonic.com.au or by phone on 132 600
If phoning in, please ensure you have your operating instructions available.

Panasonic Australia Pty. Limited

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Locked Bag 505, Frenchs Forest, NSW 2086

www.panasonic.com.au

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WARRANTY - New Zealand only

WE WARRANT that the Panasonic Television that you have purchased is free from defects in material and workmanship under normal home use and service.

Accordingly, we undertake to repair, or at our option, replace without cost to the owner, either for material or labour, any part which within 12 months from the date of delivery is found to be defective, provided that the appliance has been used for domestic purposes only and in accordance with the instructions given in the Instruction Book and not been subjected to misuse, neglect or installed, dismantled, repaired or serviced by any other than an authorised Panasonic New Zealand Dealer or Panasonic New Zealand Authorised Service Centre.

NOTE

- Before reporting a fault, please ensure that you read the item "Troubleshooting" in the information section of your Panasonic Instruction Book.
- It is important to retain your proof of purchase as this will be required by the serviceman or retailer as proof of purchase date, should service be required.
- In the event of service being required, contact your Panasonic New Zealand retailer or Panasonic New Zealand Authorised Service Centre.

IMPORTANT

Any request for warranty service must be through an Authorised Panasonic New Zealand Service Centre who during the period of the warranty, undertakes to make any necessary adjustment and fit any replacement part supplied by the manufacturer, during normal working hours, or alternatively will arrange for such service to be provided by some other Panasonic New Zealand Authorised Service Centre.

NEW ZEALAND

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Tel. 09 272 0100

Customer Care Center

Email: Customerservice@panasonic.co.nz

www.panasonic.co.nz

Customer's Record

Customer's Record
The model number and serial number of this product may be found on its rear panel. You should note this serial number in the space provided below and retain this book, plus your purchase receipt, as a permanent record of your purchase to aid in identification in the event of theft or loss, and for Warranty Service purposes.

Model Number

Serial Number

Matsushita Electric Industrial Co., Ltd.

Web Site : <http://www.panasonic.co.jp/global/>
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